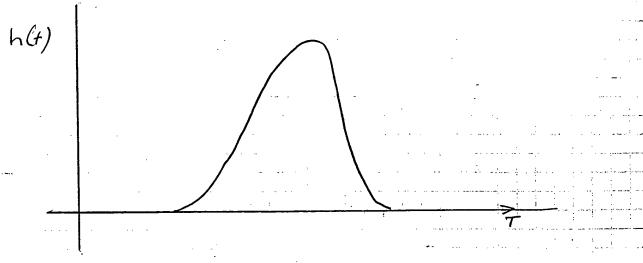
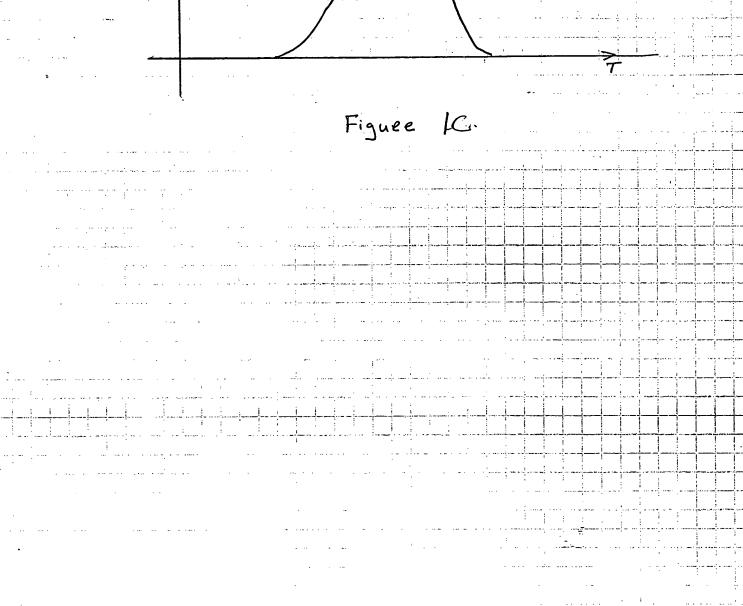


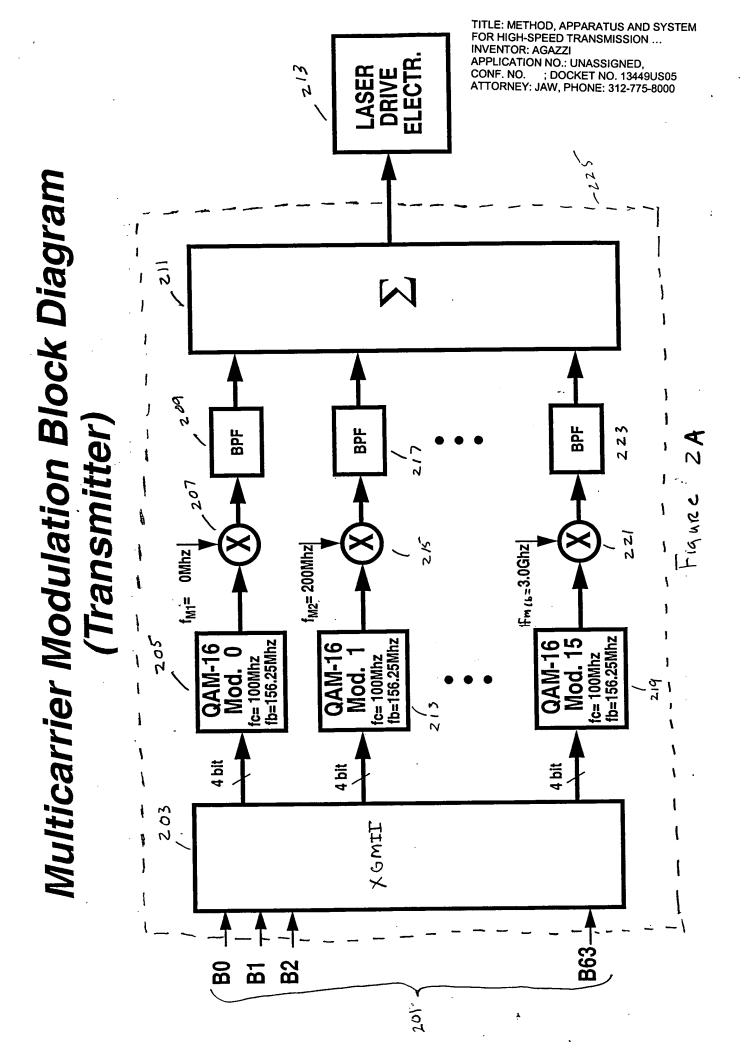
APPLICATION NO.: UNASSIGNED, CONF. NO. ; DOCKET NO. 13449US05 ATTORNEY: JAW, PHONE: 312-775-8000

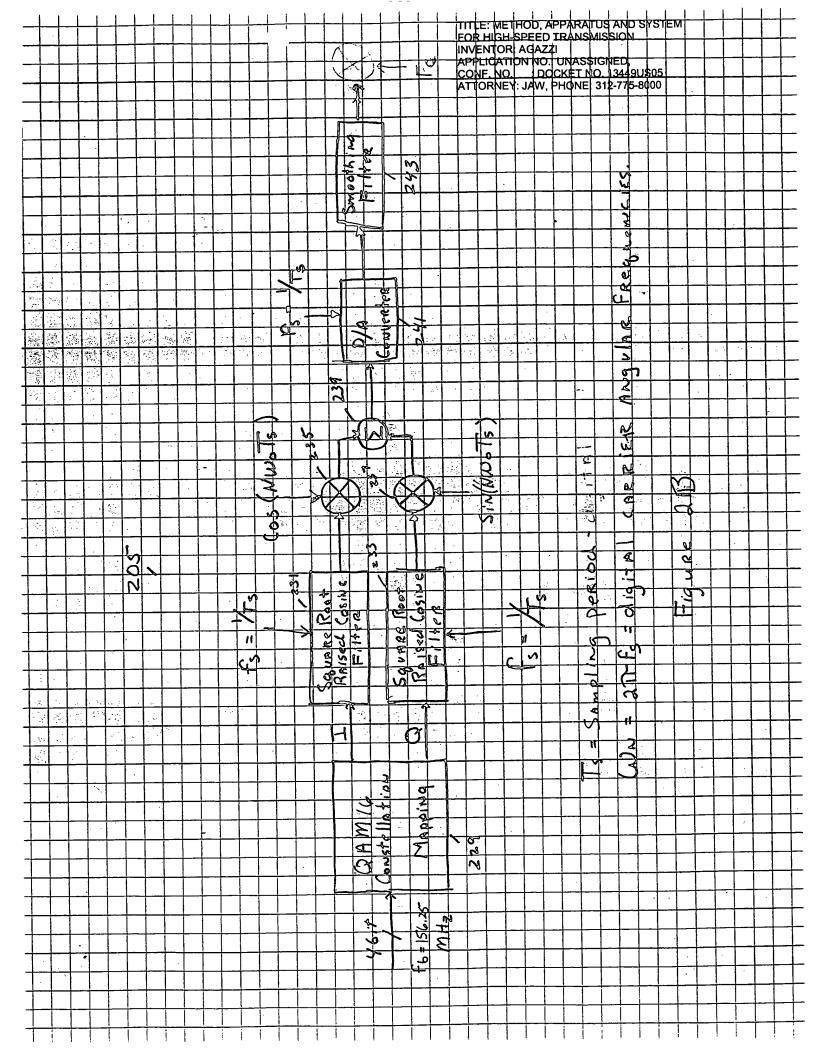


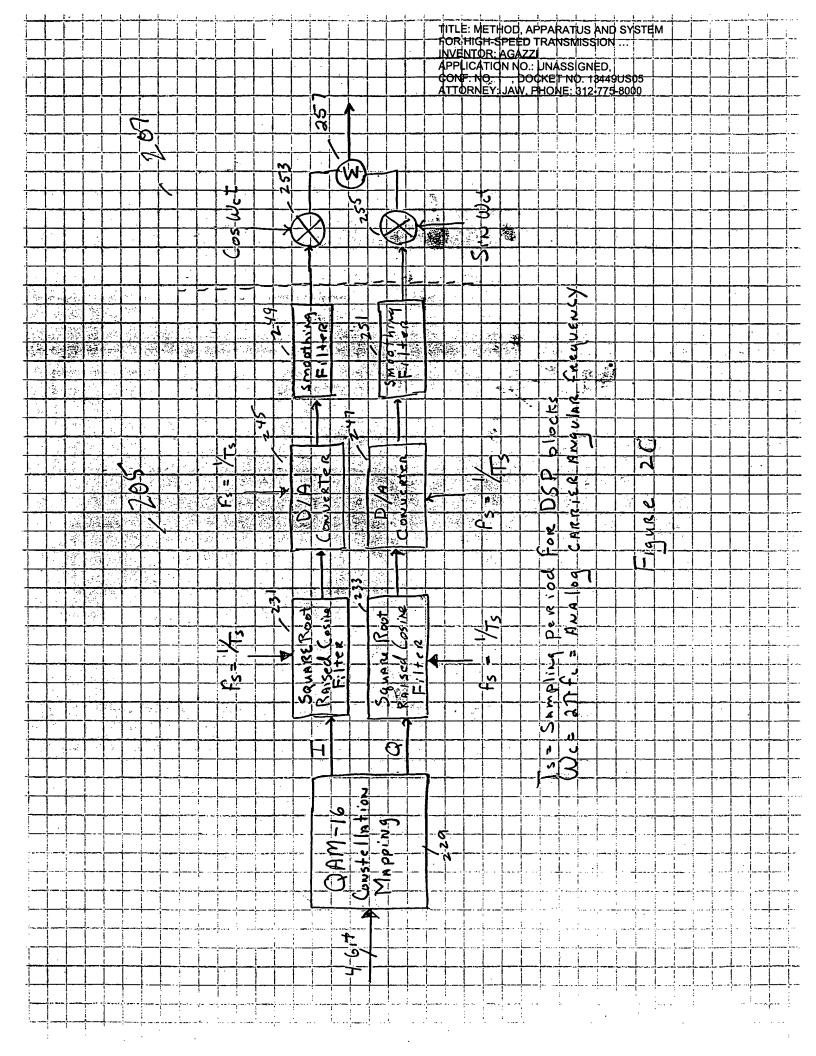


INVENTOR: AGAZZI
APPLICATION NO.: UNASSIGNED,
CONF. NO. ; DOCKET NO. 13449US05
ATTORNEY: JAW, PHONE: 312-775-8000 Dato Processing Date 129 Option 1 Receiver 127 TRANS Mitter <u>त</u> ८ PROCESSING <u>~</u>

TITLE: METHOD, APPARATUS AND SYSTEM FOR HIGH-SPEED TRANSMISSION \dots







. Multicarrier Modulation Block Diagram XGMII B 4 bit 4 bit 301 fc= 100Mhz fb=156.25Mhz fc= 100Mhz fb=156.25Mhz QAM-16 Demod. Demod. **QAM-16** (Receiver) 压 LPF 313 $f_{M2}=200Mhz$ f_{M15}= 3.0Ghz f_{M1}= 0Mhz Photo Detector Amplif. 301

FiguRE -

TITLE: METHOD, APPARATUS AND SYSTEM FOR HIGH-SPEED TRANSMISSION ...

4 bit

QAM-16 Demod.

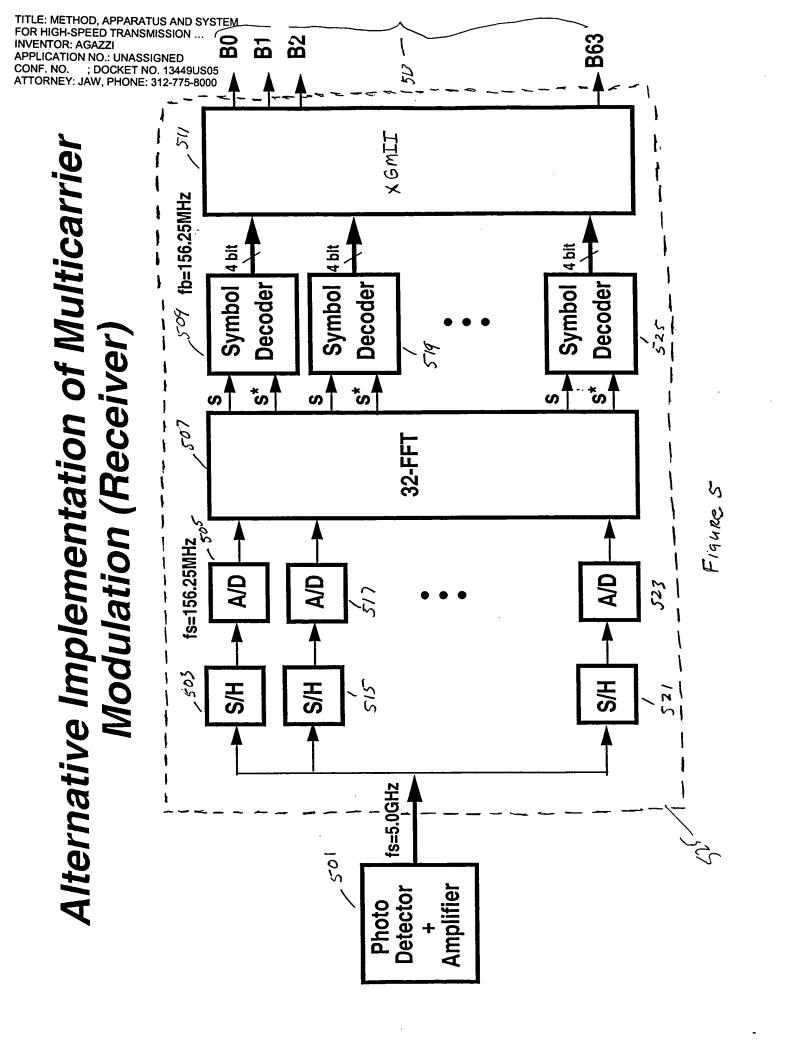
LPF

fc= 100Mhz fb=156.25Mhz

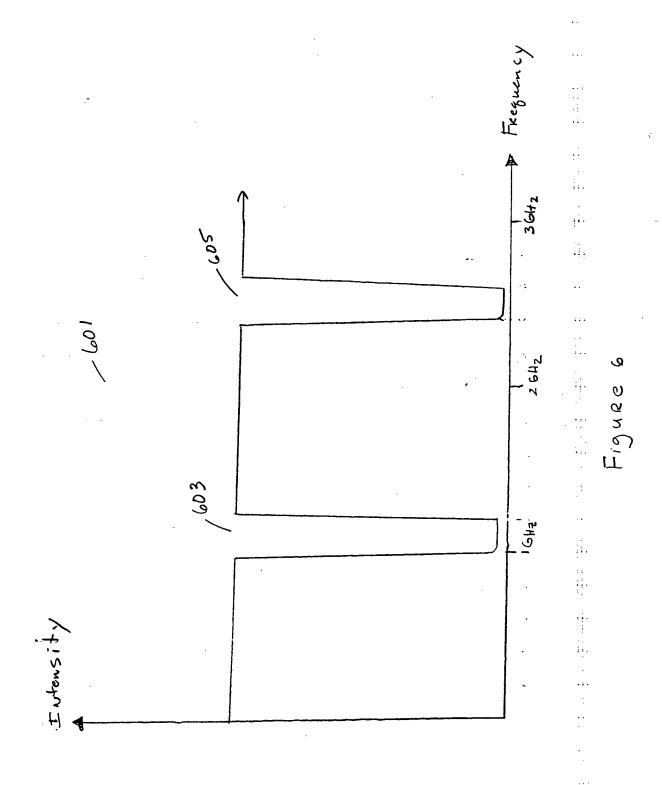
APPLICATION NO.: UNASSIGNED, CONF. NO. ; DOCKET NO. 13449US05 DOCKET NO. 13449US05 ATTORNEY: JAW, PHONE: 312-775-8000

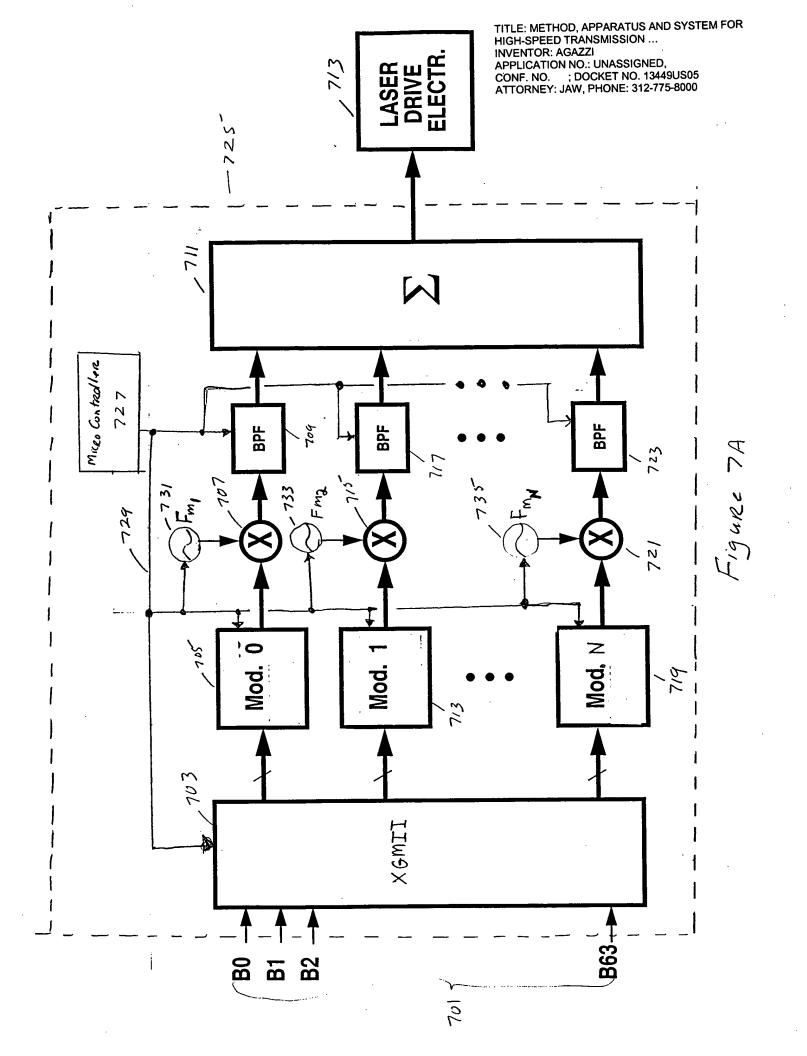
FOR HIGH-SPEED TRANSMISSION ... LASER DRIVE ELECTR. **INVENTOR: AGAZZI** APPLICATION NO.: UNASSIGNED, CONF. NO. **DOCKET NO. 13449US05** ATTORNEY: JAW, PHONE: 312-775-8000 Alternative Implementation of Multicarrier 1-423 fs=5₁0GHz <u>ار</u> Analog Mux Modulation (Transmitter) fs=156.25MHz D/A Figure 4 32-IFFT 407 *5 *5 *5 S 405 Encoder Encoder Symbol Encoder Symbol Symbol 415 40³ fb=156.25MHz 4 bit 4 bit 4 bit XGMIT **B**2 8 四 407

TITLE: METHOD, APPARATUS AND SYSTEM



INVENTOR: AGAZZI
APPLICATION NO.: UNASSIGNED,
CONF. NO. ; DOCKET NO. 13449US05
ATTORNEY: JAW, PHONE: 312-775-8000





APPLICATION NO.: UNASSIGNED, CONF. NO. ; DOCKET NO. 13449US05 ATTORNEY: JAW, PHONE: 312-775-8000

Transmitter And Receiver Coupled to Existing Fiber Channel 741

TRANSmitter TRANSmits

Intensity modulated

Signal, Frequency of

Intensity modulation

is swept from France

To FMAX 743

Receiver Recieves

SigNAl Mensures

Intusity Us Freq

Sends Mensurement

to transmitter.

TRANSMITTER MAPS

fiber changel Response,

Configures transmitter

Accordingly

747

End 749

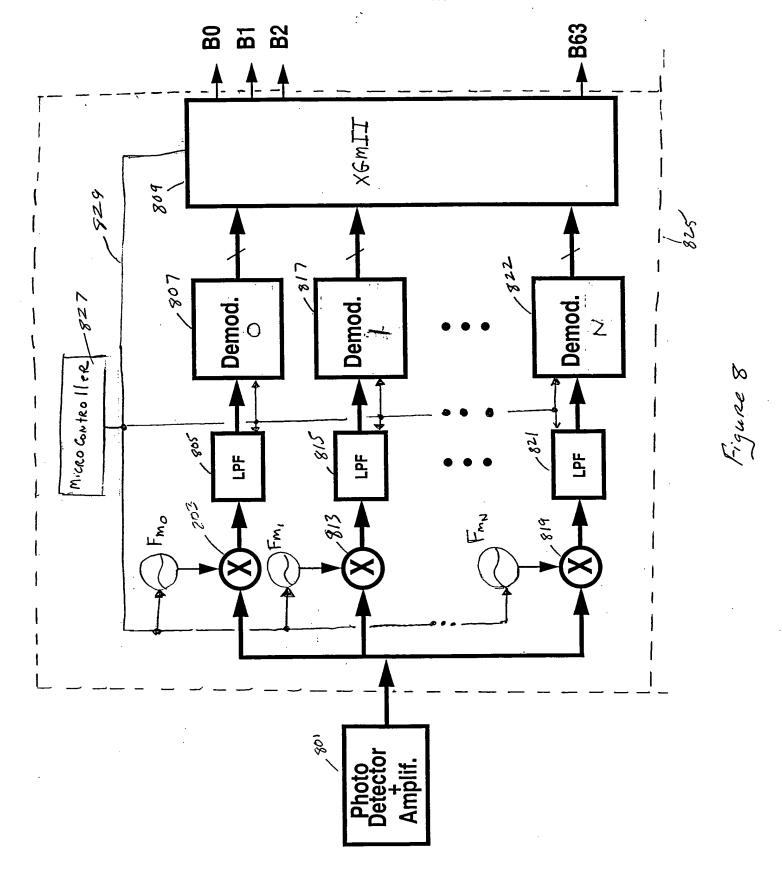
Figure 7B

٠.,

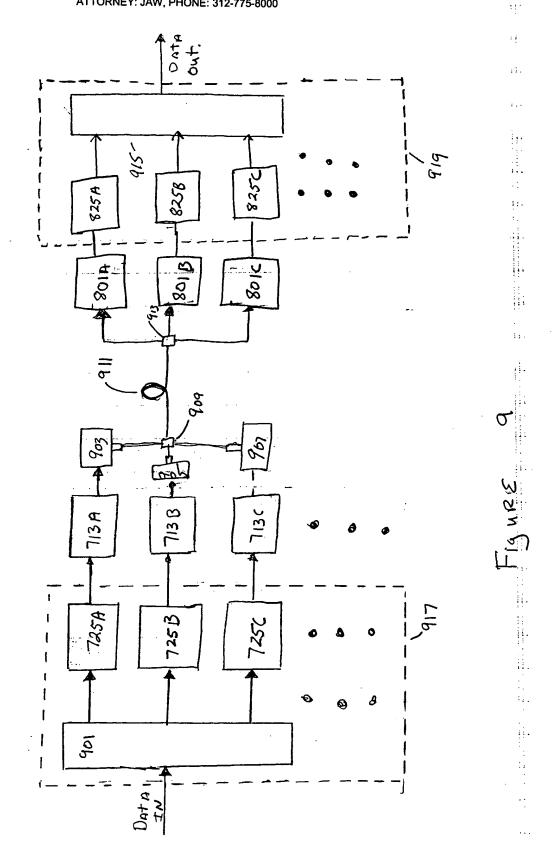
. ;

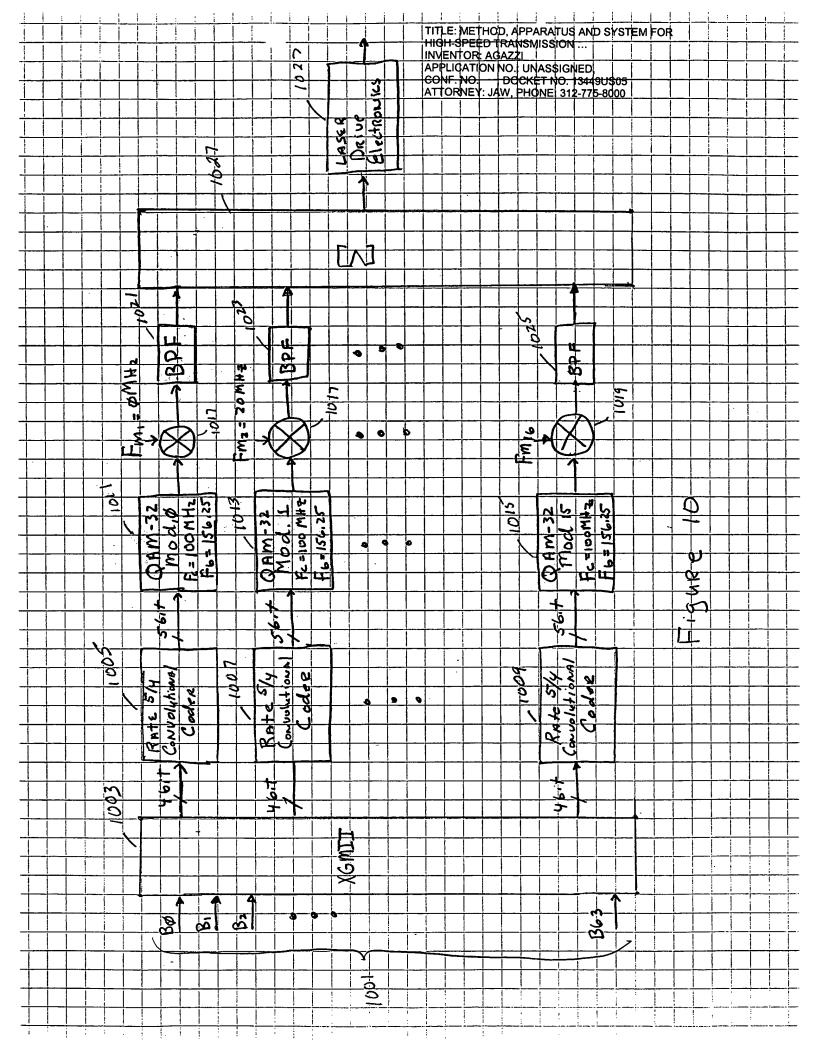
TITLE: METHOD, APPARATUS AND SYSTEM FOR HIGH-SPEED TRANSMISSION ... INVENTOR: AGAZZI APPLICATION NO: LINASSIGNED

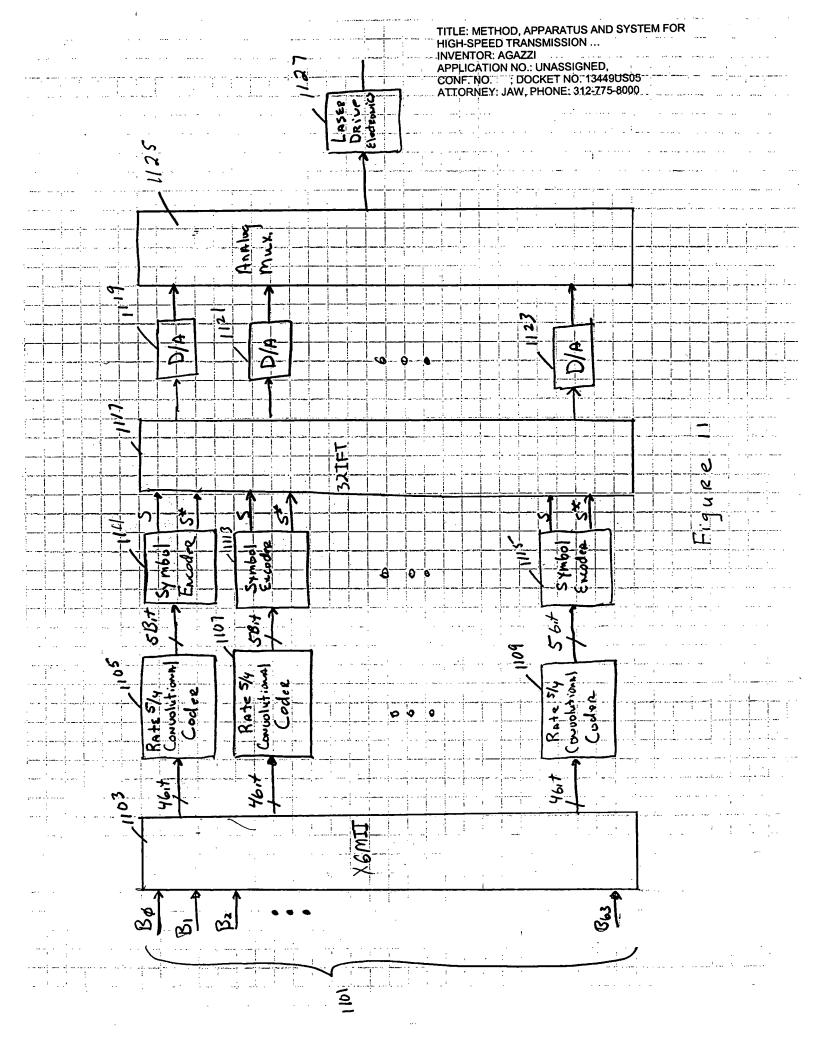
APPLICATION NO.: UNASSIGNED, CONF. NO. ; DOCKET NO. 13449US05 ATTORNEY: JAW, PHONE: 312-775-8000

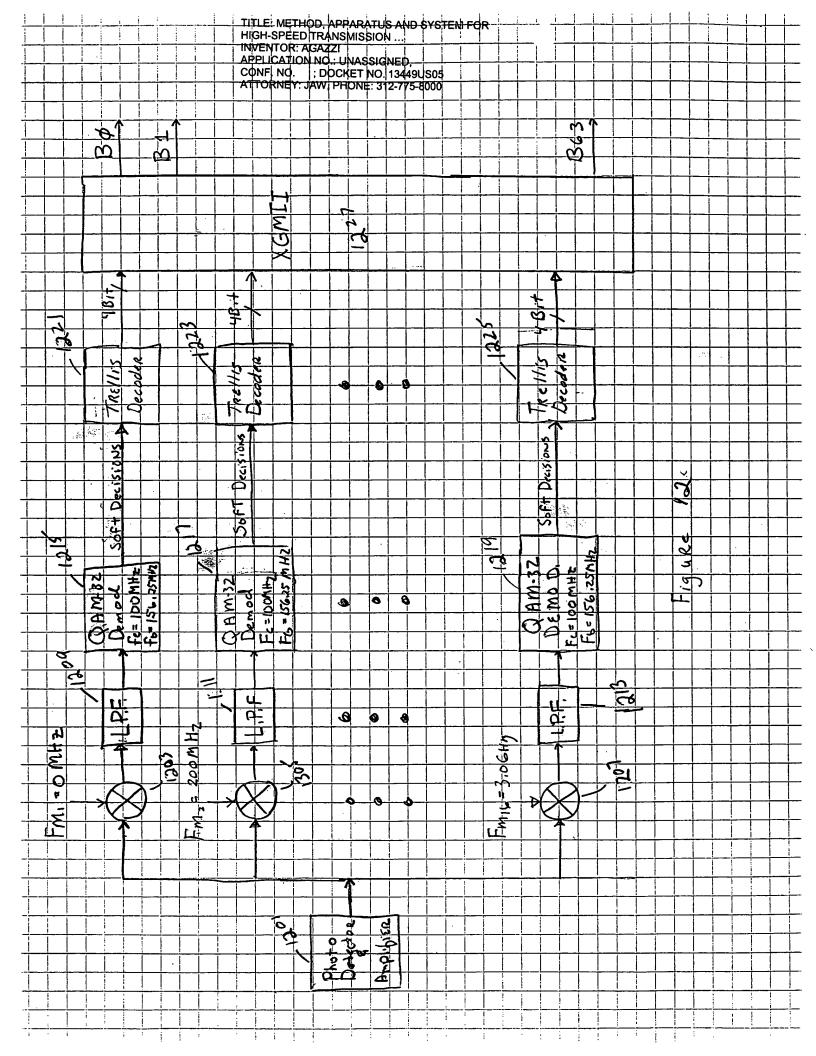


APPLICATION NO.: UNASSIGNED, CONF. NO. ; DOCKET NO. 13449US05 ATTORNEY: JAW, PHONE: 312-775-8000









TITLE: METHOD, APPARATUS AND SYSTEM FOR HIGH-SPEED TRANSMISSION ... INVENTOR: AGAZZI APPLICATION NO.: UNASSIGNED, CONF. NO. ; DOCKET NO. 13449US05 ATTORNEY: JAW, PHONE: 312-775-8000

